

Converting Colors

CIELCh(66, 69.796, 99.336)

Have a look what the booklet for
CIELCh(66, 69.796, 99.336) contains.

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Color

CIELCh(66, 69.768, 99.464)

Conversions

Conversions Part 1

Format	Color
Hex	ADA400
RGB	173, 164, 0
RGB Percent	68%, 64%, 0%
CMY	0.3225, 0.3577, 1.0000
CMYK	0.00, 0.05, 1.00, 0.32
HSL	57°, 100%, 34%
HSV	57°, 100%, 68%
XYZ	30.4100, 35.3238, 5.1997
YIQ	147.9950, 58.0080, -49.0960

Conversions

Conversions Part 2

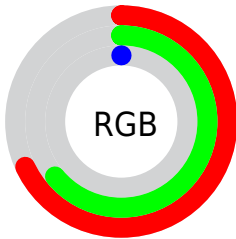
Format	Color
R _Y B	9, 173, 0
Decimal	11379712
CIE Lab	66.00, -11.47, 68.82
CIE LCh	66, 69.768, 99.464
Yxy	35.3238, 0.4287, 0.4980
Android (android.graphics.Color)	4289569792 (0xFFADA400)
YUV	147.9950, -72.9615, 21.9294
Hunter-Lab	59.4338, -12.6775, 36.4166

Details

The CIELCh color **66, 69.768, 99.464** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **21, 97.517, 305.611**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 69.734, 99.660**, and **46, 53.183, 101.271** is the 20% darker color. If you saturate the color by 10%, you get **66, 69.697, 99.470**, and if you desaturate by 10%, it is **66, 67.573, 99.959**.

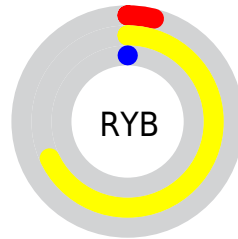
Distribution



Red (68%)

Green (64%)

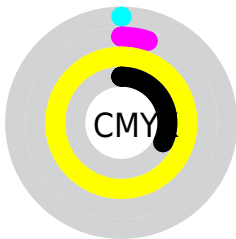
Blue (0%)



Red (4%)

Yellow (68%)

Blue (0%)

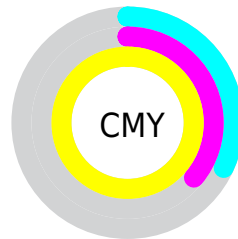


Cyan (0%)

Magenta (5%)

Yellow (100%)

Black (32%)



Cyan (32%)

Magenta (36%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 69.768, 99.464 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 66, 69.768, 99.464 by changing the saturation by 10% instead.

■ 66, 69.768, 99.464

■ 66, 69.768, 99.464

■ 100, 69.768,
99.464

■ 56, 69.768, 99.464

■ 86, 69.768, 99.464

■ 46, 69.768, 99.464

■ 96, 69.768, 99.464

■ 36, 69.768, 99.464

■ 26, 69.768, 99.464

■ 16, 69.768, 99.464

■ 6, 69.768, 99.464

■ 0, 69.768, 99.464

■ 66, 69.768, 99.464

■ 66, 69.768, 99.464

■ 66, 69.697, 99.470

■ 66, 67.573, 99.959

67, 63.793,
100.561

67, 58.237,
101.293

67, 51.359,
102.132

68, 43.598,
103.051

68, 35.287,
104.021

69, 26.650,
105.019

69, 17.834,
106.026

70, 8.929, 107.025

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



66, 69.768, 99.464



21, 97.517, 305.611

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66, 69.768, 99.464



66, 69.768, 149.464



66, 69.768, 279.464



66, 69.768, 329.464

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



66, 69.697, 99.470



87, 32.960, 104.966



36, 75.274, 37.194



46, 22.403, 104.558



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



66, 69.697, 99.470



84, 84.677, 99.407



64, 79.649, 125.584



36, 5.070, 107.094



58, 62.982, 99.509



7, 10.495, 106.953

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



21, 97.517, 305.611



29, 119.336, 305.794



25, 94.469, 310.543



34, 5.169, 289.005



17, 87.701, 305.489



1, 10.867, 288.435

Previews

White Background



This preview shows how the CIELCh color 66, 69.768, 99.464 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 66, 69.768, 99.464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 69.768, 99.464

Background



This preview shows how black text looks on a background with the CIELCh color 66, 69.768, 99.464.

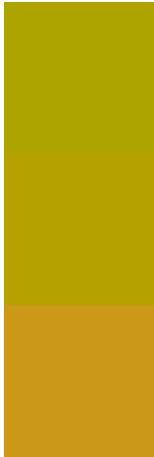


This preview shows how white text looks on a background with the CIELCh color 66, 69.768, 99.464.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

66, 69.768, 99.464

Protanopia

66, 69.370, 95.212

Deuteranopia

66, 66.944, 82.518



Tritanopia
66, 13.673, 351.792

Trichromacy



Original Color
66, 69.768, 99.464

Protanomaly
66, 69.435, 96.765

Deuteranomaly
66, 67.351, 88.716

Tritanomaly
65, 30.356, 87.852

Monochromacy



Original Color
66, 69.768, 99.464

Achromatopsia
61, 0.008, 296.813

Achromatomaly
63, 32.878, 104.245

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 69.768, 99.464 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(173, 164, 0)` looks like.

```
.text, #text, p{  
    color:rgb(173, 164, 0)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(173, 164, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 164, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 69.768, 99.464 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(173, 164, 0) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(173, 164, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(173, 164, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 164, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 164, 0);  
box-shadow:4px 4px 4px 4px rgb(173, 164,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 69.768, 99.464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 164, 0) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(173,  
164, 0) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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